GET INTO ®
THE FLOW

Meister Strömungstechnik GmbH · Im Gewerbegebiet 2 · D-63831 Wiesen

Meister Strömungstechnik GmbH
Im Gewerbegebiet 2
63831 Wiesen
Germany

EU-Declaration of Conformity

in accordance with EU-Directive 2014/34/EU
on equipment and protective systems intended for use
in potentially explosive atmospheres

We declare under sole responsibility, that the products listed below are in compliance with the requirements of EU-Directive 2014/34/EU and that these products are not stand alone devices, but are intended for installation as a part of a machine or system, whereby operation is prohibited until such time as it is ensured that the machine or system, in its entirety, is in compliance with the EU-Directives.

Float-type Flowmeter, Series RVM/U-L1

The flowmeter is used for measuring and monitoring the continuous volume flow of gases and is suitable for use with explosion-proof limit contacts with the designation SEM-A and / or SEM-E (Type –examination PTB 03 ATEX 2154 X).
A separate Declaration of Conformity exists for these contacts.

The float-type Flowmeters of the RVM/U-L1 series comply with the requirements of EU-Directive 2014/34/EU and are categorized as follows:

Interior of the Flowmeter:

Equipment-group II, category 2 G, for gases of gas group IIB, temperature classification T4, T5, T6

Marking: Interior Ex **II 2G Ex h IIB T4, T5, T6 Gb**

Exterior of the Flowmeter:

Equipment-group II, category 2 G or 2 D, for gases of gas group IIC or combustible dust IIIC, temperature classification T4, T5, T6 or T135°C, T100°C, T80°C

Marking: Exterior Ex **II 2G Ex h IIC T4, T5, T6 Gb**

Ex **II 2D Ex h IIIC T135°C, T100°C, T80°C Db**

During the conformity appraisal procedures, it was found that no effectual ignition source is existent, if the device is employed and operated as intended and in compliance with all requirements of the operating instructions for RVM/U-L1 module BASICS and RVM/U-L1 module ATEX. Meister Strömungstechnik GmbH therefore affixes the Ex-marking under its own responsibility.

Conformity of the described product with Directive 2014/34/EU is proven through full compliance with the following standards:

Harmonized European standards:

DIN EN ISO 80079-36:2016
Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic method and requirements

DIN EN ISO 80079-37:2016
Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"

EN 1127-1:2019
Explosive atmospheres - Explosion prevention and protection - Part 1: Basics concepts and methodology

Copies of the technical documentation for the conformity appraisal procedure are deposited at:

Bureau Veritas Consumer Products Services Germany GmbH

Businesspark A96, 86842 Türkheim, Germany

Identification number of notified body: 2004

Accession number: 11TH0271

Place and date/

Wiesen, August 10, 2020

MASTERPIECES
MADE IN GERMANY

Name and signature of authorized person

Simon Mill
Managing Director